

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-106413

(43)Date of publication of application : 20.04.1999

(51)Int.Cl.

C08F 2/50
 C08F246/00
 G03F 7/028
 G03F 7/029
 // C07D209/14
 C09D 4/00
 C09D 5/00

(21)Application number : 10-052146

(71)Applicant : SHOWA DENKO KK

(22)Date of filing : 04.03.1998

(72)Inventor : KAMATA HIROTOSHI
 KOSHIKAWA TOSHIO
 SUGITA SHUICHI

(30)Priority

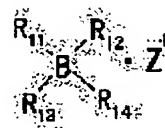
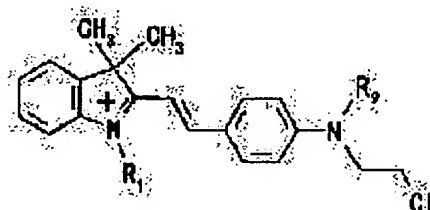
Priority number : 09210872 Priority date : 05.08.1997 Priority country : JP

(54) PHOTOCURABLE COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a composition which can be photocured even in the inside of the composition even if a pigment having high masking property, a coloring dye, and the like are contained at high concentrations by including a compound having an ethylene-type unsaturated bond, a specific cationic coloring matter, and a specific sensitizer.

SOLUTION: The composition is obtained by including (A) 100 parts wt. of a compound having at least one radical-polymerizable ethylene-type unsaturated bond in its molecule [e.g. methyl (meth)acrylate], (B) preferably, 0.01-2 parts wt. of a cationic coloring matter shown by the formula; D1+.A1 [D1+ is formula I (R1 and R2 are each an alkyl) and the like; A1 is an arbitrary anion], and (C) preferably, 0.05-5 part(s) wt. of a quaternary organic boron salt-based sensitizer shown by formula II (R11-R14 are each an alkyl and the like; Z+ is an arbitrary cation). It is preferable to add a polymerization promotor (e.g. sulfonium salt) and a UV radical polymerization initiator (e.g. benzoin isobutyl ether) to the composition.



II

LEGAL STATUS

[Date of request for examination]